Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/25/2021 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124341	-1	1.18	124271	1.17
Blue	F	SSC	125000	124593	-1	2.78	124987	2.66
Blue	E	FITC	13131	12647	-4	2.15	292	15.04
Blue	D	PE	24112	23843	-2	1.59	547	10.34
Blue	B	PerCP-Cy5-5	31295	30340	-4	3.01	1006	13.74
Blue	A	PE-Cy7	19939	19782	-1	4.98	527	27.43
Red	C	APC	42122	41781	-1	3.15	1750	11.09
Red	A	APC-Cy7	22340	21869	-3	3.43	817	11.32
Violet	B	V450	7410	7153	-4	3.40	438	12.20
Violet	A	V500	28118	27025	-4	2.94	678	9.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23099	0.84	555	-14	N/A	N/A	Pass
Blue	F	SSC	58174	1.02	511	-1	N/A	N/A	Pass
Blue	E	FITC	53	54.62	479	-8	0.0471	148	Pass
Blue	D	PE	115	36.16	482	-6	0.4974	370	Pass
Blue	B	PerCP-Cy5-5	188	34.56	576	-10	0.0229	104	Pass
Blue	A	PE-Cy7	107	62.43	619	-9	0.0247	0	Pass
Red	C	APC	406	23.67	576	0	0.0309	262	Pass
Red	A	APC-Cy7	183	26.69	549	-2	0.0069	1108	Pass
Violet	B	V450	62	59.82	452	-1	0.0603	2011	Pass
Violet	A	V500	98	32.95	463	-2	0.0271	768	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.90	-31.62	1.09
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.41
Red	16.54	13.60 - 20.40	N/A	N/A	29.99	30.23	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15738

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments